

Attorney Docket No. P04854US1

PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: CAMPBELL, JOY M. Group Art Unit: 1614  
SERIAL NO: 09/973,283 Examiner:  
FILED: October 9, 2001 Confirmation No:  
TITLE: METHODS AND COMPOSITIONS FOR MODULATING THE IMMUNE  
SYSTEM OF ANIMALS

**SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
BEFORE MAILING DATE OF EITHER A FINAL ACTION  
OR NOTICE OF ALLOWANCE (37 C.F.R. § 1.97(c))**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

This information disclosure statement is being filed *before* the mailing date of either a final action under § 1.113 or a notice of allowance under § 1.311, whichever occurs first.

Attached are Forms PTO/SB/08A and 08B (formerly Form PTO-1449) listing the relevant art known to the applicant herein. Copies of the listed references are enclosed. The Examiner is requested to consider the references and make them of record.

Applicants submit herewith patents, publications or other information, of which they are aware that they believe may be material to the examination of this application, and in respect of which, there may be a duty to disclose. Legible copies of all items listed in Forms PTO/SB/08A and 08B (formerly Form PTO-1449) accompany this information statement.

No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of

CERTIFICATE OF MAILING

I hereby certify that the above correspondence was mailed to the Assistant Commissioner for Patents, Washington, D.C. 20231, as First Class mail, postage prepaid, this 1st day of November, 2002.

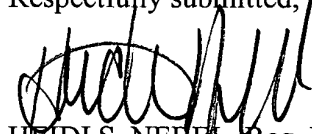
HEIDI S. NEBEL

designated in § 1.56(c) more than three months prior to the filing of the information disclosure statement.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. § 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. (Notice of January 9, 1992, 1135 O.G. 13-25, at 25.)

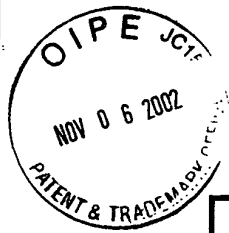
Respectfully submitted,



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Attorneys of Record



Form PTO/SA08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

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Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	09/973,283
		Filing Date	OCTOBER 9, 2001
		First Named Inventor	CAMPBELL, JOY M., et al.
		Art Unit	1614
		Examiner Name	
Sheet 1 of 2	Attorney Docket Number	P04854US1	

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US- 4,748,157	05-31-1988	Iwai et al.	
	2	US- 4,816,561	03-28-1989	Todaro	
	3	US- 4,849,404	07-18-1989	Iwai et al.	
	4	US- 5,389,664	02-14-1995	Baile et al.	
		US- RE 33,565	04-02-1991	Stolle et al.	
		US- 4,732,757	03-22-1988	Stolle et al.	
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FOREIGN PATENT DOCUMENTS					
Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	5	EPO/0 064 210	11-10-1982	Cutter Laboratories	
	✓	WO 00/62806	10/26/2000	Weisbart, Richard	
	✓	GB 2013691	08/15/1979	Stolle Res & Dev	
		JP 54113425	08/15/1979	Stolle Res & Dev	
	✓	JP 59070621	04/21/2984	Sugizaki Tetsuzou	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

<sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	09/973,283		
		Filing Date	October 9, 2001		
		First Named Inventor	CAMPBELL, JOY M. et al.		
		Group Art Unit	1614		
		Examiner Name			
Sheet	2	of	2	Attorney Docket Number	P04854US1

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	6	WILLIAMS, E.W., Bovine IgG in the Serum of adult rats after oral administration, IRCS Med. Sci. :Libr. Compend, 1977	
	7	ShowTec Survivor with Solutein.htm, September 29, 2002. PP.1-3	
	8	FRANK MOREY, Countryside Feed Notes, January 2002, p.1, Hillsboro, KS	
	9	South Central Nutritional Services, Wells, MN	
	10	RHOADES, et al., Gastroenterology 118, No. 4, 2000	
	11	ELAINE HUNT, et al., Oral Bovine Serum Concentrate Improves Cryptosporidial in Calves, North Carolina State University College of Veterinary Medicine, Vol.51, No.3, 2002	
	12	The FASEB Journal, EB 2000, San Diego, CA, March 15, 2000, Volume 14, No.4	
	13	B.S. BORG et al., Effects of a Water Soluble Plasma Protein on Weanling Pig Performance and Health With and Without Escherichia coli Challenge, American Protein Corporation, Ames, IA, Allen D. Leman Swine Conference, Sept. 17-21, 1999	
	14	J.M. CAMPBELL et al., Benefits Derived from Swine Dites Containing Plasma in Escherichia coli Challenged Pigs, American Association of Swine Practitioners, 2000, pp.129-132	

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